

### In the Specifications

On page 1, Lines 7-12, of a title, substitute a title as shown above.

On page 1, Lines 14-24 of a background, substitute as follows: The present invention is based on the experimental data of conversion of gravity into mechanical rotational energy, which are approved by USA Patents 5,667,038 ; 5,921,133A; 6,363,804 b1 ; 6,601,478B1 on the base of videotapes.

The result of these experiments is a discovery of a specific gravity, which decreases in a negative zone of free rotation and increases in positive (active) zone of rotation. The present invention is a logical completion of what is done.

On page 2, Lines 1-3, change "In the present invention the same function is carried out by a gravitational Lever, as a special part of the pedal, which is powered by gravitational and muscular forces and because of that, it keeps itself vertical during rotation" to- In the present invention the function of a gravitational Lever is carried out by a special pedal having thereon an unbalanced mass as a source of gravitational energy and planetary mechanism, which increases bicycle's riding speed spending the same muscular energy

On page 2, Lines 6-7 delete " Such a system having a pedal with a gravitational Lever works more reliable and economically, especially when the speed of rotation and centrifugal forces are increasing"

On page 2, Line 8, delete "and other pedal-driven vehicles"

On page 2, Lines 10-11, change "The positive results are the first steps toward large-scale production of new pedal-driven vehicles" to- the result of reaching <sup>rolling</sup> roiling

Speed around 35 MPH by a non-professional bicyclist and even not a young person shows that a first step toward large-scale production of such bicycles is done

On page 2, Line 14 and 18, delete “and other pedal-driven vehicles”,

On page 2, Line 15, delete “due to the gravitational lever”,

On page 2, Line 21, change “via a second one-way rotatable element” to- via a second one-way directional element

On page 3, Line 1, change “a vehicle”- to a bicycle

On page 3, Line 3, change “of the vehicle” to-of the bicycle

On page 3, Lines 4-5, change “to a fourth rotatable element by means of a rotatable axle” to- to a crank by means of a Leading axle

On page 3, Line 5, change “with the fourth element around the fourth element axle” to- with the crank around crank’s axle

On page 3, Line 6, change “around its own geometric axle” to- around its own axis of rotation

On page 3, Line 7, change “real axle” to- Leading axle

On page 3, Lines 9-10 change “around the third and fourth element’s geometric axle” to- around the third element’s and crank’s axes

On page 3, Lines 13-14, delete “and this proves that output penergy in such a system exceeds the input energy”

On page 3, lines 15-16, change “interaction between four rotatable elements” to- interaction between two transmissions.

On page 3, Lines 17-18, change “due to that provides mechanical energy output exceeding muscular energy input” to- due to that provides high riding speed

On page 4, Lines 2-4 change “System and method of getting for a bicycle and other pedal-driven vehicles, mechanical energy output exceeding muscular energy input due to the gravitational Lever” to- The additional planetary transmission and method of getting high riding speed due to the interaction between transmission

On page 4, Line 7, delete “and other pedal-driven vehicles”

On page 4, Line 9, change “crank’s axle “1-1” for a free rotation on it, while the other part is placed on crank’s axle for a rotation with it” to- crank’s axle for a free rotation around it, while the other part is placed on crank’s axle for rotation with it

On page 4, Line 12, change “the first one includes driving sprocket of a vehicle” to- the first part includes driving sprocket of a bicycle

On page 4, Lines 13-14 delete “and all details which are connecting with it: pedal 1, an axle 2, sprocket 4 combined with overrunning clutch 3 and bearings

On page 4, Lines 16-22 delete “The pedal 1 performs three functions:

- Getting power from two different sources of energy, such as a foot muscular energy and a gravitational energy of the unbalanced mass, which are by means of this pedal convert themselves into mechanical energy;
- Transmission of the driving power via the rotating axle 2, overrunning clutch 3, sprocket 4 and chain periphery 6 of disk 5 to the driving sprocket and then to a freewheel and driving wheel of a vehicle;

On page 5, Lines 1-15 delete from word “transmission” on a 1<sup>st</sup> line to word itself on a 15 line

On page 5, Lines 16-22 change “the cinematic relations between the sprocket 4 and chain periphery 6 of disk 5 is as follows: during one revolution disk 5 with a

Driving sprocket outstrips the crank 8 with a pedal 1 for one radius of the disk 5, because the length of a circle of the sprocket 4 is equal to the radius of disk 5 with a chain periphery (according to a working model)” to- The kinematic relations between the satellite sprocket 4s and chainomatic periphery 5a of a disk 5 is as follows:

During one revolution disk 5 with a driving sprocket on it outstrips the crank 8 with a pedal 1 and this proves an increase of the speed.

On page 6, Line 4, change “set of five”- to set of four

### **In the Drawings**

Fig. 1 on drawing page 1 has been substituted with a new Fig. 1 of new drawing page 1. The only difference is that new Fig. 1 is depicted by reference numerals, whereas original Fig. 1 was not clear because of tat. The drawing is otherwise the same, having corrected name “vertical sectional view”.

Fig. 2 on drawing page 2 has been substituted with a new Fig. 2<sup>6</sup> of new drawing page 2 and as well as Fig 1, has been depicted by reference numerals. The drawing is otherwise the same.

Fig. 3 has been substituted also to Fig. 2B to conform to the revised Fig. 1 and Fig. 2A.